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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/539,702	08/14/2006	Frank Hondmann	2002P01437WOUS	4817
46726	7590	12/14/2009	EXAMINER	
BSH HOME APPLIANCES CORPORATION INTELLECTUAL PROPERTY DEPARTMENT 100 BOSCH BOULEVARD NEW BERN, NC 28562			LETTMAN, BRYAN MATTHEW	
			ART UNIT	PAPER NUMBER
			3746	
			NOTIFICATION DATE	DELIVERY MODE
			12/14/2009	ELECTRONIC

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

NBN-IntelProp@bshg.com

<b>Office Action Summary</b>	<b>Application No.</b> 10/539,702	<b>Applicant(s)</b> HONDMANN ET AL.	
	<b>Examiner</b> Bryan Lettman	<b>Art Unit</b> 3746	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 22 October 2009 and 30 November 2009.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 13-28 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 13-28 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 22 October 2009 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)         | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)         | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____   | 6) <input type="checkbox"/> Other: _____                          |

## **DETAILED ACTION**

### ***Continued Examination Under 37 CFR 1.114***

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on October 22, 2009 has been entered.

### ***Response to Amendment***

Claims 13-28 remain pending in the application. The previous objections to the specification and drawings are withdrawn in light of Applicant's amendment to the specification and drawings.

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

**Claim 24 is rejected under 35 U.S.C. 102(b) as being anticipated by**

**European Patent Publication 0 722 070 to Pettinari.**

Pettinari discloses a ventilator housing comprising:

at least one control board seat arrangement (8 and 7A) with at least one seat arrangement (8 and 7A) for a printed circuit board that is formed integrally with the ventilator housing (fig. 2).

***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

**Claims 13-19 and 21-23 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent Publication 2005/0106046 to Winkler, in view of U. S Patent 6,144,556 to Lanclos.**

Referring to claim 13, Winkler teaches a ventilator comprising:

a housing front (the top surface as shown in Fig. 3);

a housing back (the bottom surface as shown in Fig. 3);

a sidewall arrangement (the right and left vertical surfaces as shown in Fig. 3) interconnecting said housing front and said housing back to one another at a spacing from one another as viewed in a depth direction (shown in fig. 3);

at least one seat arrangement (98);

said seat arrangement (98) including a plurality of retention devices (102) for detachable retention on said seat arrangement of a plurality of technical components (94 and 96) for operating the ventilator, such that said components are secured with at least a portion of each of said components extending in the depth direction between

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said housing front and said housing back outwardly of said sidewall arrangement (shown in Fig. 3).

Winkler does not teach fixture devices having grooves and clips for securing said seat arrangement. Lanclos teaches a ventilator housing wherein:

a retention device (200) includes a plurality of grooves for inserting a plurality of technical components (shown in Fig. 9) and a plurality of clip elements for securing said components in said grooves (300, the screws discussed in col. 6, lines 21-26, as shown in Fig. 1), said grooves receiving said components inserted therein (shown in Fig. 9).

It would be obvious to one of skill in the art, at the time of invention, to modify the ventilator taught by Winkler with retention device taught by Lanclos in order to provide increased air cooling of the technical components, thereby reducing their operating temperature and extending their life.

Referring to claim 14, Winkler and Lanclos teach all the limitations of claim 13 as explained above and Winkler further teaches a housing wherein:

said seat arrangement (98) is constructed integrally with the ventilator housing (22).

Referring to claim 15, Winkler and Lanclos teach all the limitations of claim 13 as explained above and Winkler further teaches a housing wherein:

said seat arrangement (98) is arranged on the exterior of the ventilator housing (22) (fig. 3).

Referring to claim 16, Winkler and Lanclos teach all the limitations of claim 13 as explained above and Winkler further teaches a housing wherein:

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said seat arrangement (98) includes fixing means (102) for securing said technical components (94 and 96).

Referring to claim 17, Winkler and Lanclos teach all the limitations of claim 13 as explained above and Winkler further teaches a housing wherein:

said technical components (94 and 96) are secured in said seat arrangement (89) by positive (102) and non-positive (fig. 5) locking means.

Referring to claim 18, Winkler and Lanclos teach all the limitations of claim 13 as explained above and Winkler further teaches a housing wherein:

said seat arrangement (98) includes a cover closure element (100 and 142) for closing said seat arrangement (98).

Referring to claim 19, Winkler and Lanclos teach all the limitations of claim 13 as explained above and Winkler further teaches a housing wherein:

said seat arrangement has at least one opening (fig. 3) to allow a cable (92) to pass therethrough.

Referring to claim 21, Winkler and Lanclos teach all the limitations of claim 13 as explained above and Winkler further teaches a housing including:

at least one of a condenser, a mains connector, a printed circuit board (90) or at least one control board detachably secured to said seat arrangement (98).

Referring to claim 22, Winkler and Lanclos teach all the limitations of claim 13 as explained above and Winkler further teaches a housing further comprising:

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a plurality of at least one of channels, guides or retainers (fig. 3) for securing or passing through electrical wires (92) for connecting said technical components (94 and 96) to each other.

Referring to claim 23, Winkler and Lanclos teach all the limitations of claim 13 as explained above, but Winkler does not teach the use of the housing in an extraction hood. Lanclos further teaches a housing wherein:

the ventilator housing is provided for installation in an extraction hood, particularly in the suction channel or suction duct of said extraction hood (col. 2, lines 60-65, wherein Lanclos teaches a heat extraction hood, as shown in Fig. 10).

Furthermore, it has been held that the recitation with respect to the matter in which a claimed apparatus is intended to be employed does not differentiate the claimed apparatus from a prior art apparatus satisfying the claimed structural limitations. *Ex part Masham*, 2 USPQ2d 1647 (1987).

Referring to claim 25, Winkler and Lanclos teach all the limitations of claim 13 as explained above, but Winkler does not teach multiple circuit boards. Lanclos further teaches a housing wherein:

said plurality of grooves includes a first groove for insertion therein of a portion of a first circuit board (115) and a second groove for insertion therein of a portion of a second circuit board (115) (col. 7, lines 16-22; shown in Fig. 12).

Referring to claim 26, Winkler and Lanclos teach all the limitations of claim 25 as explained above, and Winkler further teaches a structure wherein:

said seat arrangement includes a first lateral wall, a second lateral wall in opposition to said first lateral wall, and an open face delimited between said first and second lateral walls (shown in Fig. 8). Winkler does not teach a groove.

Lanclos further teaches a housing wherein:

a lateral groove is located at a lateral wall and has an open end at an open face, whereupon a respective circuit board (115) can be inserted through said open face into the lateral groove (shown in Fig. 9).

Referring to claim 27, Winkler and Lanclos teach all the limitations of claim 26, as detailed above, but Winkler does not teach fixture devices having grooves and clips for securing said seat arrangement. Lanclos teaches a ventilator housing wherein:

said plurality of clip elements includes a positive locking element (300, the screws inherently have threads) operable to resist withdrawal of a circuit board (115) that has been inserted into a lateral groove.

**Claims 20 and 28 are rejected under 35 U.S.C. 103(a) as being unpatentable over U.S. Patent Publication 2005/0106046 to Winkler and U. S Patent 6,144,556 to Lanclos as applied to claim 13 above, and further in view of U.S. Patent 6,354,287 to Kudoh.**

Winkler and Lanclos teach all the limitations of claim 13 as explained above, but do not teach a mechanism for relieving strain on said cable or a cover which is movable between an open and closed position. Kudoh teaches a blower housing comprising:

at least one seat arrangement (4, 7) having at least one mechanism (21a) for strain relief of a cable; and



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a seat arrangement (7) includes a housing (17a) and a cover (17b) element that is movable relative to said housing between an open position and a covering position (shown in Figures 10 and 11) and said mechanism for strain relief (y) of a cable (Y) includes a first part on said housing (the hole in 17a) and a second part on said cover element (17b) (wherein the cover 17b provides rigidity to the first part 17a by way of tabs 17-b4 and fastener 100, thereby 17b supports the mechanism for strain relief of the cable Y) that cooperate together in the covering position of said cover element to compressively engage a cable extending therebetween to resist withdrawal of the cable out of said housing (shown in Figures 10 and 11).

It would be obvious to one of skill in the art, at the time of invention, to modify the housing taught by Winkler, with the strain relief mechanism taught by Kudoh in order to economically support and seal the cable passing through the wall of said seating arrangement, reducing wear on the cable and technical components, and thereby extending the life of the housing.

### ***Response to Arguments***

Applicant's arguments filed October 22, 2009 have been fully considered but, unless addressed below, are moot in view of the new ground(s) of rejection.

With regard to claim 24, Applicant argues that the arrangement (7A, 8), disclosed by Pettinari, does not disclose the seat arrangement disclosed by Applicant. Applicant further argues that Pettinari discloses a circuit board which is instead mounted in a hood front panel. This argument is deficient because a mounting inherently includes a seat arrangement. Accordingly, by Applicant's own admission, Pettinari does disclose a seat

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arrangement and Applicant's argument is therefore unpersuasive. Furthermore, MPEP §2111 states that “[d]uring patent examination, the pending claims must be “given their broadest reasonable interpretation consistent with the specification.” In lines 19-27 of the specification, it is stated that “[t]he term seat arrangement is understood to mean a retainer in or on the ventilator housing for a technical component for operating the ventilator. In each case, the seat arrangement is designed such that the corresponding component may be easily attached in or on this seat arrangement.” As shown in Figures 3 and 4 of Pettinari, the recess 8 retains a technical component 7A in the ventilator housing. Accordingly, using the broadest reasonable interpretation consistent with the specification, Pettinari does disclose a seat arrangement and Applicant's argument is therefore unpersuasive.

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Bryan Lettman whose telephone number is (571) 270-7860. The examiner can normally be reached on Monday - Thursday between 9:00 am and 4:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Devon Kramer can be reached on (571) 272-7118. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/B. L./  
Examiner, Art Unit 3746

/Devon C Kramer/  
Supervisory Patent Examiner, Art  
Unit 3746